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DATE MAILED: 11/18/2003

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/050,246	01/15/2002	Bum Ki Moon	12205/3	9223
75	90 11/18/2003		EXAM	INER
HORIZON IP PTE LTD 166 KALLANG WAY			NGUYEN, CUONG QUANG	
SINGAPORE,	349249		ART UNIT	PAPER NUMBER
SINGAPORE			2811	

Please find below and/or attached an Office communication concerning this application or proceeding.

Application No. Application Application Application No. Application Applicatio			M,				
Examin r Cuong Q Nouyen 2911 - The MAILING DATE of this communication appears on the cover sheet with th Coorney of the Cover sheet with th ART Unit Cuong Q Nouyen 2911 - The MAILING DATE Of this communication appears on the cover sheet with th AS HORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Examinate of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be sinely filled Examinate of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be sinely filled Examinate of time in the provision of 37 CFR 1.136(a). In no event, however, may a reply be sinely filled Examinate of time in the provision of 37 CFR 1.136(a). In no event, however, may a reply be sinely filled Examinate of time in the provision of 18 CFR 1.136(a). In no event, however, may a reply be sinely filled Examinate of the control of the communication of 18 CFR 1.136(a). In no event, however, may a reply be sinely filled 1 the provision of the provision of 18 CFR 1.136(a). In no event, however, may a reply be sinely filled. 1 the provision of the provision of 18 CFR 1.136(a) in no event, however, event of inveloped times. 2 (a) This action is FINAL. 2 (b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the ments is closed in accordance with the practice under Exparte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-8.13.19.23.24.27.35 is/are withdrawn from consideration. 4) Claim(s) 1-8.13.19.23.24.27.35 is/are allowed. 6) Claim(s) 1-8.13.19.23.24.27.35 is/are allowed. 6) Claim(s) 1-8.13.19.23.24.27.35 is/are allowed. 7) The specification is objected to by the Examiner. Application Papers 9) The drawing(s) filled on is/are: a) accepted or b) objected to by the Examiner. Application Papers 9) The drawing(s) filled on is/are: a) accepted or b) objected to by the Examiner.		Application No.	Applicant(s)				
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THE MAILING DATE OF THIS COMMUNICATION. Eatheristics of them may be available under the provisions of 37 CPR 1.15(6). In no event, however, may a reply be timely filled other 5X (6) MONTHS from the mailing date of this communication. If NO period for early is specified dever, the maximism of a state of the communication. If NO period for early is specified dever, the maximism date of the communication. Fallure to reply visition the set or estended period for reply ville in the application to become ABANDONED (35 U.S.C. § 13.3). Any reply received by the Diffice take than these months after the mailing date of this communication, even if timely filled, may reduce any remained patient term adjustment. The specification is one-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-8, 13, 19, 23, 24 and 27-56 is/are pending in the application. 4a) Of the above claim(s) 37-56 is/are pending in the application. 4a) Of the above claim(s) 37-56 is/are withdrawn from consideration. 5) Claim(s) 1-8, 13, 19, 23-24, 27-36 is/are allowed. 6) Claim(s) is/are objected to. 8) Claim(s) 1-8, 13, 19, 23-24, 27-36 is/are allowed. 6) Claim(s) are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. Application Papers 9) The specification is objected to by the Examiner. Application Papers 9) The drawing(s) filed on		pears on the cover sheet with th	correspondence address				
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Art Unit: 2811

DETAILED ACTION

1. Newly submitted claims 37-56 directed to an invention that is independent or distinct from the invention originally claimed for the following reasons: claims 37-56 directed to a method of making a device which is a different patentably from original claims 1-26 drawn to a structure of device.

Since applicant has received an action on the merits for the originally presented invention, this invention has been constructively elected by original presentation for prosecution on the merits. Accordingly, claims 37-56 withdrawn from consideration as being directed to a non-elected invention. See 37 CFR 1.142(b) and MPEP § 821.03.

Allowable Subject Matter

- 2. Claims 1-8, 13, 15, 19, 23-24, and 27-36 allowed.
- 3. The following is an examiner's statement of reasons for allowance: Wang appears to be the closest prior art reference. However, this reference fails to teach that a thin intermediate layer on the first barrier formed by a thermal process in an oxidizing ambient so that the thin intermediate layer providing elements to stuff the grain boundaries on or near the top surface of the first barrier layer. Prior art of record fails to teach or suggest to incorporate these limitations into Wang et al. to arrive at the claimed device.

Conclusion

4. This application is in condition for allowance except for the following formal matters: claims 37-56 should be canceled for above reason.

Prosecution on the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO**MONTHS from the mailing date of this letter.

- 5. Papers related to this application may be submitted to Technology center (TC) 2800 by facsimile transmission. Papers should be faxed to TC 2800 via the TC 2800 Fax center located in Crystal Plaza 4, room 4-C23. The faxing of such papers must conform with the notice published in the Official Gazette, 1096 OG 30 (November 15, 1989). The Group 2811 Fax Center number is (703) 872-9306. The Group 2811 Fax Center is to be used only for papers related to Group 2811 applications.
- 6. Any inquiry concerning this communication or any earlier communication from the Examiner should be directed to CUONG Q NGUYEN whose telephone number is (703) 308-1293. The Examiner is in the Office generally between the hours of 6:30 AM to 5:00 PM (Eastern Standard Time) Monday through Thursday.
- 7. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor Eddie Lee who can be reached on (703) 308-1690. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.
- 8. Any inquiry of a general nature or relating to the status of this application should be directed to the Technology Center Receptionists whose telephone number is 308-0956.

Art Unit: 2811

Cuong Nguyen

Primary examiner

11/17/03